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Langford(10) **Patent No.:** **US 7,407,996 B2**
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St. Paul, MN (US)(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 0 days.This patent is subject to a terminal dis-
claimer.(21) Appl. No.: **11/357,872**(22) Filed: **Feb. 17, 2006**(65) **Prior Publication Data**

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now Pat. No. 6,733,581, which is a continuation-in-
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1998, now Pat. No. 6,358,309.(51) **Int. Cl.****C09K 3/10** (2006.01)**C09D 5/34** (2006.01)**C04B 14/18** (2006.01)**C04B 14/24** (2006.01)**C04B 14/14** (2006.01)(52) **U.S. Cl.** **523/219**; 524/2; 524/275;
524/276; 524/763; 106/660; 106/675;
106/676; 106/677; 106/698; 106/272; 106/814;
106/489; 106/491(58) **Field of Classification Search** 106/778,
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106/489, 491; 524/2, 275, 276, 763; 523/219
See application file for complete search history.(56) **References Cited****U.S. PATENT DOCUMENTS**2,117,833 A 5/1938 Wellner
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A wall repair compound useful for filling and repairing cracks, holes, and other imperfections in a wall surface includes a conventional filler material, a conventional binder material, and a dust reducing additive which reduces the quantity of airborne dust particles generated when sanding the hardened joint compound. Airborne dust reducing additives include oils, surfactants, solvents, waxes, and other petroleum derivatives. The additive can be added to conventional ready-mixed joint compounds and to setting type joint compounds. A method of reducing the quantity of airborne dust generated when sanding a fully hardened joint compound includes mixing a sufficient quantity of the dust reducing additive with the joint compound prior to when the joint compound has been applied to the wall.